



TITLE V OPERATING PERMIT

Issued pursuant to Title 22a of the Connecticut General Statutes (CGS) and Section 22a-174-33 of the Regulations of Connecticut State Agencies (RCSA) and pursuant to the Code of Federal Regulations (CFR), Title 40, Part 70.

Title V Permit Number	189 – 0208 - TV
Client/ Sequence /Town/Premises Numbers	6731-001-189-0217
Original Permit Issue Date	June 7, 2004
Modified Permit Issue Date	February 10, 2006
Expiration Date	June 6, 2009

Corporation:

ThermoSpas, Inc.

Premises location:

155 East Street, Wallingford, Connecticut 06492

Name of Responsible Official and Title:

Andrew Tournas, President

All pages 1 through 28, inclusive, of this document are hereby incorporated by reference into this Title V Permit.

GINA MCCARTHY

Gina McCarthy
Commissioner

2/10/06

Date

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LIST OF ABBREVIATIONS/ACRONYMS

ABBREVIATION/ACRONYM.....DESCRIPTION

CFR	Code of Federal Regulations
CGS	Connecticut General Statutes
DCPD	Dicyclopentadiene
EPA	Environmental Protection Agency
EU	Emissions Unit
GEU	Grouped Emissions Unit
HAP	Hazardous Air Pollutant
MACT	Maximum Achievable Control Technology
NSR	New Source Review
P	Permit
PVC	Polyvinyl Chloride
RCSA	Regulations of Connecticut State Agencies
SIC	Standard Industrial Classification Code
tpy	Tons per 12 Consecutive Months
VE	Vinyl Ester
VOC	Volatile Organic Compound

Title V Permit

All conditions in Sections III, IV, VI and VII of this Title V permit are enforceable by both the Administrator and the commissioner unless otherwise specified. Applicable requirements and compliance demonstration are set forth in Section III of this Title V permit. The Administrator or any citizen of the United States may bring an action to enforce all permit terms or conditions or requirements contained in Sections III, IV, VI and VII of this Title V permit in accordance with the Clean Air Act, as amended.

Section I: Premises Information/Description

A. PREMISES INFORMATION

Nature of Business: Manufacturer of Spas

Primary SIC: 3088

Facility Mailing Address: ThermoSpas, Inc.
155 East Street
Wallingford, CT 06492

Telephone Number: (203) 265-6133

B. PREMISES DESCRIPTION

ThermoSpas, Inc. manufactures a line of high quality spas at their facility in Wallingford. The steps involved in the manufacture of a spa are summarized below:

1. Prepare the liner by thermally forming a sheet of acrylic plastic.
2. Apply a First-Coat to the formed liner, and roll-out the freshly applied First-Coat. The First-Coat consists of a vinyl ester (VE) resin-fiberglass mixture containing not more than 47 percent of styrene monomer. The polymerization of the styrene is initiated with organic peroxides that are introduced at the time of application. While the first-coat is still wet, certain units may then be colored with a small amount of opaque gelcoat.
3. Allow the First-Coat to cure.
4. Apply a Second-Coat to the cured-First Coat, and roll-out the freshly applied Second-Coat. The Second-Coat consists of a dicyclopentadiene (DCPD) resin-fiberglass mixture containing not more than 34 percent of styrene monomer. The polymerization is initiated with organic peroxides that are introduced at the time of application.
5. Allow the Second-Coat to cure.
6. Cut and trim the coated spa and drill holes for various fixtures and final assembly of the unit.
7. Install electrical components, pump(s), plumbing lines and a variety of other accessories and fixtures.
8. The finishing operations, which include inspection, repair of any imperfections, final cleaning and shipment.

The facility is a major source of HAP emissions. The facility is subject to the National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production in Title 40 Code of Federal Regulations Part 63 Subpart WWWW. There are no active DEP orders.

Resin Application Operation:

The resin application areas (EU-1 & 2) and the resin application booth (EU-3), as described in steps 2 to 5 above, are the primary source of the HAP emissions (styrene) in the spa production process and have been grouped into GEU-1. A small amount of particulate emissions from over spray are controlled with filters. Additional VOC emissions are primarily from assembling the PVC jet piping and cleaning the spas, as described in steps 7 and 8 above. The application equipment is periodically cleaned with acetone, an exempt VOC. The resin application areas were issued a construction and operation permit 189-0087 on April 30, 1996. Permit 189-0087 was modified on September 15, 2005 to include the resin application booth.

Cummins Emergency Engine:

A Cummins KTA-19-G2 emergency diesel engine/generator (EU-4) provides emergency power for the facility. It is covered under RCSA §22a-174-3b(e). No permit or registration is required.

Section II: Emissions Units Information

A. EMISSIONS UNITS DESCRIPTION

Emissions units are set forth in Table II.A. It is not intended to incorporate by reference these NSR Permits, Orders, or Registrations into this Title V Permit.

TABLE II.A: EMISSIONS UNITS DESCRIPTION			
Emissions Unit	Emissions Unit Description	Control Unit Description	NSR Permit, Order, or Registration Number*
GEU-1	Resin application operation	Purolator Facet Paint Arrester filter pads	P 189-0087
EU-4	Cummins KTA-19-G2 emergency diesel engine/generator	None	None

B. OPERATING SCENARIO IDENTIFICATION

The Permittee shall be allowed to operate under the following Standard Operating Scenario without notifying the commissioner, provided that such operations are explicitly provided for and described in Table II.B below. There are no Alternate Operating Scenarios for the premises.

TABLE II.B: OPERATING SCENARIO IDENTIFICATION	
Emissions Units Associated with the Scenarios	Description of Scenarios
GEU-1	ThermoSpas has identified only one operating scenario covering all operations involved in the manufacture of spas. This includes all the intermediate steps in the production process (preparation of the liner, resin application, cutting-trimming-drilling, installation of fixtures, finishing operations).
EU-4	The standard operation of the emergency engine is to provide emergency power for operations in the facility.

Section III: Applicable Requirements and Compliance Demonstration

The following tables contain summaries of applicable regulations and compliance demonstration for each identified Emissions Unit and Operating Scenario regulated by this Title V permit.

A. GROUPED EMISSIONS UNIT 1

Table IIIA: GROUPED EMISSIONS UNIT 1	
Pollutants or Process Parameters	Compliance Demonstration Requirements
1. Styrene Content	<p><u>Limitations or Restrictions</u></p> <p>“The maximum styrene content of the VE Resin (neat) for use as First-Coat shall not exceed 47 weight percent” [P 189-0087 Part II.A.1.]</p> <p>“The maximum styrene content of the DCPD Resin (neat) for use as Second-Coat shall not exceed 34 weight percent” [P 189-0087 Part II.A.3.]</p> <p>“You are subject to this subpart if you own or operate a reinforced plastic composites production facility that is located at a major source of HAP emissions.” [40 CFR §63.5785(a)] The terms ‘you and ‘your’ refer to the owner or operator a reinforced plastic composites production facility.</p> <p>“If you have an existing facility that does not have any centrifugal casting or continuous lamination/casting operations, or an existing facility that does have centrifugal casting or continuous lamination/casting operations, but the combination of all centrifugal casting or continuous lamination/casting operations emit less than 100 tpy of HAP, you must meet the annual average organic HAP emissions limits in Table 3 to this subpart and the work practice standards in Table 4 to this subpart that apply to you.” [40 CFR §63.5805(a)]</p> <p>“If your operation type is Open molding – non-corrosion resistant and/or high strength and you use mechanical resin application, your organic HAP emissions limit is 87 lb/ton based on a 12-month rolling average and the highest organic HAP content for a compliant resin or gel is 38.4% with non-atomized resin application.” [40 CFR Part 63 Subpart WWW Table 3, 2]</p> <p>i. <u>Monitoring and Testing Requirements</u></p> <p>The Permittee shall monitor the styrene content of the resin. [P 189-0087 Part IV.A.1.]</p> <p>ii. <u>Record Keeping Requirements</u></p> <p>“The Permittee shall keep records of resin supplier certifications that specify the styrene content of each resin shipment to the plant.” [P 189-0087 Part IV.A.1.]</p>

Section III: Applicable Requirements and Compliance Demonstration

Table IIIA: GROUPED EMISSIONS UNIT 1, continued

Pollutants or Process Parameters	Compliance Demonstration Requirements
1. Styrene Content, continued	<p>ii. <u>Record Keeping Requirements, continued</u></p> <p>“You must keep the records listed in paragraphs (a)(1) through (3) of this section. [40 CFR §63.5915(a)]</p> <ul style="list-style-type: none"> (1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirements in §63.10(b)(2)(xiv). (2) The records in §63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction. (3) Records of performance tests, design, and performance evaluations as required in §63.10(b)(2).” <p>“You must keep all data, assumptions, and calculations used to determine organic HAP emissions factors or average HAP contents for operations listed in Tables 3, 5 and 7 to this subpart.” [40 CFR §63.5915(c)]</p> <p>“You must keep a certified statement that you are in compliance with the work practice requirements in Table 4 to this subpart, as applicable.” [40 CFR §63.5915(d)]</p> <p>“You must maintain all applicable records in such a manner that they can be readily accessed and are suitable for inspection according to §63.10(b)(1).” [40 CFR §63.5920(a)]</p> <p>“As specified in §63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.” [40 CFR §63.5920(b)]</p> <p>“You must keep each record onsite for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record according to §63.10(b)(1). You can keep the records offsite for the remaining 3 years.” [40 CFR §63.5920(c)]</p> <p>“You may keep records in hard copy or computer readable form including, but not limited to, paper, microfilm, computer floppy disk, magnetic tape, or microfiche.” [40 CFR §63.5920(d)]</p>

Section III: Applicable Requirements and Compliance Demonstration

Table IIIA: GROUPED EMISSIONS UNIT 1, continued

Pollutants or Process Parameters	Compliance Demonstration Requirements
2. Resin Usage	<p><u>Limitations or Restrictions</u></p> <p>“Maximum annual First-Coat resin usage: 341,880 pounds per year” [P 189-0087 Part II.A.2.]</p> <p>“Maximum annual Second-Coat resin usage: 1,087,680 pounds per year” [P 189-0087 Part II.A.4.]</p> <p>i. <u>Monitoring and Testing Requirements</u></p> <p>The Permittee shall monitor the resin usage by type. [P 189-0087 Part IV.A.2.]</p> <p>ii. <u>Record Keeping Requirements</u></p> <p>“The Permittee shall keep monthly and consecutive twelve (12) month records of the resin usage by type. The consecutive 12 month resin usage shall be determined by adding the current month’s resin usage to that of the previous eleven (11) months. The Permittee shall make these calculations within 30 days of the previous month.” [P 189-0087 Part IV.A.2.]</p>

Section III: Applicable Requirements and Compliance Demonstration

Table IIIA: GROUPED EMISSIONS UNIT 1, continued

Pollutants or Process Parameters	Compliance Demonstration Requirements
3. Cleanup Solvent Usage	<p><u>Limitations or Restrictions</u></p> <p>“Type of Cleanup Solvent used: Acetone” [P 189-0087 Part II.A.5]</p> <p>“Maximum annual facility Cleanup Solvent usage: 3,030 gallons per year” [P 189-0087 Part II.A.6]</p> <p>i. <u>Monitoring and Testing Requirements</u></p> <p>The Permittee shall monitor the usage of cleanup solvent. [P 189-0087 Part IV.A.3.]</p> <p>ii. <u>Record Keeping Requirements</u></p> <p>“The Permittee shall keep monthly and consecutive twelve (12) month records of the cleanup solvent usage. The consecutive 12 month cleanup solvent usage shall be determined by adding the current month’s cleanup solvent usage to that of the previous eleven (11) months. The Permittee shall make these calculations within 30 days of the previous month.” [P 189-0087 Part IV.A.3.]</p>

Section III: Applicable Requirements and Compliance Demonstration

Table III.A: GROUPED EMISSIONS UNIT 1, continued

Pollutants or Process Parameters	Compliance Demonstration Requirements
4. Other Solvent Usage	<p>i. <u>Monitoring and Testing Requirements</u> The Permittee shall monitor the usage of other VOC-containing production material. [P 189-0087 Part IV.A.4.]</p> <p>ii. <u>Record Keeping Requirements</u> “The Permittee shall keep monthly and consecutive twelve (12) month records of the other VOC-containing production material usage. The consecutive 12 month VOC-containing material usage shall be determined by adding the current month’s VOC-containing material usage to that of the previous eleven (11) months. The Permittee shall make these calculations within 30 days of the previous month.” [P 189-0087 Part IV.A.4.]</p>

Section III: Applicable Requirements and Compliance Demonstration

Table IIIA: GROUPED EMISSIONS UNIT 1, continued

Pollutants or Process Parameters	Compliance Demonstration Requirements
5. Emissions	<p><u>Limitations or Restrictions</u></p> <p>The Permittee shall not exceed the facility total emission limits of: [P 189-0087 Part II.C.]</p> <p>VOC (styrene) 29.86 tpy</p> <p>VOC 6.0 tpy</p> <p>Acetone 10.0 tpy</p> <p>i. <u>Monitoring and Testing Requirements</u></p> <p>The Permittee shall monitor emissions using the MACT equations and material balance. [P 189-0087 Part II.C.]</p> <p>ii. <u>Record Keeping Requirements</u></p> <p>“The Permittee shall keep monthly and consecutive twelve (12) month records of emissions, including all data, assumptions and calculations. The consecutive 12 month emissions shall be determined by adding the current month’s emissions to that of the previous eleven (11) months. The Permittee shall make these calculations within 30 days of the previous month.” [P 189-0087 Part IV.A.5.]</p>

Section III: Applicable Requirements and Compliance Demonstration

B. EMISSIONS UNIT 4

Table III.B: EMISSIONS UNIT 4	
Pollutants or Process Parameters	Compliance Demonstration Requirements
1. Hours of Operation	<p><u>Limitations or Restrictions</u></p> <p>“No owner or operator of an emergency engine shall cause or allow such engine to operate except during periods of testing and scheduled maintenance or during an emergency and unless operation of such engine shall not exceed 300 hours during any twelve (12) month rolling aggregate.” [RCSA §22a-174-3b(e)(2)(C)]</p> <p>i. <u>Monitoring and Testing Requirements</u></p> <p>The Permittee shall monitor the hours of operation of the emergency engine, using an elapsed time meter. [RCSA §22a-174-33(j)(1)(K)(ii)]</p> <p>ii. <u>Record Keeping Requirements</u></p> <p>“The owner or operator of an emergency engine may make and maintain records of the hours of operation for each month and each twelve (12) month rolling aggregate.” [RCSA §22a-174-3b(e)(4)] The consecutive 12 month hours of operation shall be calculated for each calendar month by adding the current calendar month’s hours to those of the previous eleven months. [RCSA §22a-174-33(j)(1)(K)(ii)]</p>

Section III: Applicable Requirements and Compliance Demonstration

Table IILB: EMISSIONS UNIT 4, continued	
Pollutants or Process Parameters	Compliance Demonstration Requirements
2. Sulfur Content	<p><u>Limitations or Restrictions</u></p> <p>“No person, except as provided in subparagraphs (a)(2)(ii), (a)(3)(i), and (a)(3)(ii), shall use or burn fuel which contains sulfur in excess of a maximum of one percent (1.0%) by weight (dry basis).” [RCSA §22a-174-19(a)(2)(i)]</p> <p>“No owner or operator of an emergency engine shall cause or allow such engine to operate except during periods of testing and scheduled maintenance or during an emergency and unless any nongaseous fuel consumed by such engine shall not exceed the sulfur content of motor vehicle diesel fuel where “motor vehicle diesel fuel” is defined as in section 22a-174-42 of the Regulations of Connecticut State Agencies.” [RCSA §22a-174-3b(e)(2)(D)]</p> <p>i. <u>Monitoring and Testing Requirements</u></p> <p>The Permittee shall monitor the sulfur content of the nongaseous fuel used by the emergency engine. [RCSA §22a-174-33(j)(1)(K)(ii)]</p> <p>ii. <u>Record Keeping Requirements</u></p> <p>The Permittee shall make and keep records of the sulfur content of the nongaseous fuel used by the emergency engine. [RCSA §22a-174-3b(e)(3)]</p> <p>“Any of the following records listed in subdivisions (1), (2) and (3) of this subsection are sufficient to demonstrate the sulfur content of fuel used as required by subsections (c), (e), and (f) of this section: (1) A fuel certification for a delivery of nongaseous fuel from a bulk petroleum provider; (2) A sales receipt for the sale of motor vehicle diesel fuel from a retail location; or (3) A copy of a current contract with the fuel supplier supplying the fuel used by the equipment that includes the applicable sulfur content of nongaseous fuel as a condition of each shipment.” [RCSA §22a-174-3b(h)]</p>

Section III: Applicable Requirements and Compliance Demonstration

Table IILB: EMISSIONS UNIT 4, continued	
Pollutants or Process Parameters	Compliance Demonstration Requirements
3. Fuel Usage	<p>i. <u>Monitoring and Testing Requirements</u> The Permittee shall calculate the annual fuel usage for the emergency engine, using either the annual hours of operation and the maximum hourly fuel usage rating or fuel purchase receipts or a fuel meter. [RCSA §22a-174-33(j)(1)(K)(ii)]</p> <p>ii. <u>Record Keeping Requirements</u> The Permittee shall make and keep records of the annual fuel usage for the emergency engine. [RCSA §22a-174-4(d)(1)]</p>

Section III: Applicable Requirements and Compliance Demonstration

C. PREMISES-WIDE GENERAL REQUIREMENTS

Table IILC: PREMISES-WIDE GENERAL REQUIREMENTS		
Pollutants or Process Parameters	Applicable Regulatory References/Citations	Compliance Demonstration Requirements
1. General Record Keeping Requirements	RCSA §22a-174-33(o)(2)	The Permittee shall maintain and keep records of all required monitoring data and supporting information at the premises and make such records available for inspection and copying by the commissioner at the premises, for at least five years from the date such data and information were obtained, in accordance with Section VII.F of this permit and RCSA §22a-174-33(o)(2).
2. General Reporting Requirements	RCSA §22a-174-33(o)(1) §22a-174-33(q)(1) §22a-174-33(q)(2)	i. The Permittee shall submit to the commissioner written monitoring reports on January 30 and July 30 of each year in accordance with Section VII.E. of this permit and RCSA §22a-174-33(o)(1). ii. The Permittee shall, on January 30 and July 30 of each year, submit to the commissioner, a progress report, regarding the Permittee's progress in achieving compliance under the compliance schedule contained in this permit, in accordance with Section VII.G. of this permit and RCSA §22a-174-33(q)(1). iii. The Permittee shall, on January 30 of each year, submit to the commissioner a written compliance certification in accordance with Section VII.H. of this permit and RCSA §22a-174-33(q)(2).
3. Permitting Requirements	RCSA §22a-174-2a	The Permittee shall comply with the procedural requirements for new source review and Title V permitting in accordance with RCSA §22a-174-2a.
4. Emission Statements	RCSA §22a-174-4	The Permittee shall submit annual emission inventory statements to the commissioner in accordance with RCSA §22a-174-4(d)(1).
5. Test Methods	RCSA §22a-174-5	The Permittee shall comply with methods for sampling, emission testing, sample analysis, and reporting in accordance with RCSA §22a-174-5.
6. Emergency Episodes	RCSA §22a-174-6	The Permittee shall comply with the procedures for emergency episodes as set forth in RCSA §22a-174-6.
7. Control Equipment	RCSA §22a-174-7	The Permittee shall comply with the procedures for air pollution control equipment and monitoring equipment operation as set forth in RCSA §22a-174-7.

Section III: Applicable Requirements and Compliance Demonstration

Table IILC: PREMISES -WIDE GENERAL REQUIREMENTS, continued		
Pollutants or Process Parameters	Applicable Regulatory References/Citations	Compliance Demonstration Requirements
8. Public Availability of Information	RCSA §22a-174-10	The public availability of information shall apply, as set forth in RCSA §22a-174-10.
9. Concealment/ Circumvention	RCSA §22a-174-11	The Permittee shall comply with the prohibition against concealment or circumvention as set forth in RCSA §22a-174-11.
10. Severability	RCSA §22a-174-15	Severability shall apply as set forth in RCSA §22a-174-15.
11. Particulates	RCSA §22a-174-18	The Permittee shall comply with the standards for control of particulate matter and visible emissions as set forth in RCSA §22a-174-18.
12. Sulfur Compounds	RCSA §22a-174-19	The Permittee shall comply with the standards for control of sulfur compounds as set forth in RCSA §22a-174-19.
13. Organic Compounds	RCSA §22a-174-20	The Permittee shall comply with the standards for control of volatile organic compounds as set forth in RCSA §22a-174-20.
14. Nitrogen Oxides	RCSA §22a-174-22	The Permittee shall comply with the standards for control of nitrogen oxide emissions as set forth in RCSA §22a-174-22.
15. Emission Fees	RCSA §22a-174-26	The Permittee shall pay an emission fee in accordance with RCSA §22a-174-26.
16. Reinforced Plastic Composites	40 CFR 63, Subpart WWWW	The Permittee shall comply with the National Emission Standards for Hazardous Air Pollutants for Reinforced Plastic Composites Production as set forth in 40 CFR 63, Subpart WWWW.

Section III: Applicable Requirements and Compliance Demonstration

D. WORK PRACTICE STANDARDS AND OPERATION AND MAINTENANCE (O&M) PRACTICES

Table III.D: Work Practice Standards and Operation and Maintenance (O&M) Practices		
Emissions Unit	Applicable Regulatory References/Citations	Work/O&M Practice Requirements
GEU-1	P 189-0087 Part II.B.1 P 189-0087 Part IV.A.6	1.i “The Permittee shall operate, inspect, and maintain the applicators in accordance with the manufacturer’s specifications. The applicators shall be calibrated daily in accordance with the manufacturer’s directions.” 1.ii “The Permittee shall keep daily records that confirm that the applicators have been calibrated. Records shall include the date, the time of calibration and the name of the operator.”
GEU-1	P 189-0087 Part II.B.2	2. “The Permittee shall operate, inspect, and maintain the control equipment in accordance with the manufacturer’s specifications to achieve the removal efficiencies specified in this permit.”
GEU-1	P 189-0087 Part V.C	3. “The Permittee shall continuously cover all open drums and vessels when not in use that contain solvents, cleaners, coatings, or cleaning rags so as to minimize the amounts of VOCs emitted to the atmosphere.”
GEU-1	P 189-0087 Part V.D	4. “The Permittee shall meet the appropriate work practice standards as set forth in Table 4 of Title 40 Code of Federal Regulations Part 63 Subpart WWW.”

Section IV: Compliance Schedule

THERE IS NO COMPLIANCE SCHEDULE.

TABLE IV: COMPLIANCE SCHEDULE				
Emissions Unit	Applicable Regulations	Steps required for achieving compliance (Milestones)	Date by which each step is to be completed	Dates for monitoring, record keeping, and reporting

Section V: State Enforceable Terms and Conditions

Only the Commissioner of the Department of Environmental Protection has the authority to enforce the terms, conditions and limitations contained in this section.

- A.** This permit does not relieve the Permittee of the responsibility to conduct, maintain and operate the emissions units in compliance with all applicable requirements of any other Bureau of the Department of Environmental Protection or any federal, local or other state agency. Nothing in this permit shall relieve the Permittee of other obligations under applicable federal, state and local law.
- B.** Nothing in this permit shall affect the commissioner's authority to institute any proceeding or take any other action to prevent or abate violations of law, prevent or abate pollution, investigate air pollution, recover costs and natural resource damages, and to impose penalties for violations of law, including but not limited to violations of this or any other permit issued to the Permittee by the commissioner.
- C.** Odors: The Permittee shall operate in compliance with the regulations for odor control as set forth in RCSA §22a-174-23.
- D.** Noise: The Permittee shall operate in compliance with the regulations for the control of noise as set forth in RCSA §22a-69-1 through §22a-69-7.4, inclusive.
- E.** Hazardous Air Pollutants (HAPs): The Permittee shall operate in compliance with the regulations for the control of HAPs as set forth in RCSA §22a-174-29.
- F.** Open Burning: The Permittee is prohibited from conducting open burning, except as may be allowed by CGS §22a-174(f).
- G.** Fuel Sulfur Content: The Permittee shall not use number 2 heating oil that exceeds three-tenths of one percent sulfur by weight as set forth in CGS §16a-21a.
- H.** Reporting of emissions of greenhouse gases: In accordance with CGS §22a-200b(b), not later than April 15, 2006, and annually thereafter, the owner or operator of any facility that is required to report air emissions data to the Department of Environmental Protection pursuant to Title V of the federal Clean Air Act and that has stationary emissions sources that emit greenhouse gases shall report to the regional registry direct stack emissions of greenhouse gases from such sources. The owner or operator shall report all greenhouse gas emissions in a type and format that the regional registry can accommodate.

Section VI: Permit Shield

NO PERMIT SHIELD HAS BEEN GRANTED.

Section VII: Title V Requirements

The Administrator of the United States Environmental Protection Agency and the Commissioner of the Department of Environmental Protection have the authority to enforce the terms and conditions contained in these sections.

A. SUBMITTALS TO THE COMMISSIONER & ADMINISTRATOR

The date of submission to the commissioner of any document required by this Title V permit shall be the date such document is received by the commissioner. The date of any notice by the commissioner under this Title V permit, including, but not limited to notice of approval or disapproval of any document or other action, shall be the date such notice is delivered or the date three days after it is mailed by the commissioner, whichever is earlier. Except as otherwise specified in this Title V permit, the word "day" means calendar day. Any document or action which is required by this Title V permit to be submitted or performed by a date which falls on a Saturday, Sunday or legal holiday shall be submitted or performed by the next business day thereafter.

Any document required to be submitted to the commissioner under this Title V permit shall, unless otherwise specified in writing by the commissioner, be directed to: Office of the Assistant Director; Compliance & Field Operations Division; Bureau of Air Management; Department of Environmental Protection; 79 Elm Street, 5th Floor; Hartford, Connecticut 06106-5127.

Any submittal to the Administrator of the Environmental Protection Agency shall be in a computer-readable format and addressed to: Director, Air Compliance Program; Attn: Air Compliance Clerk; Office of Environmental Stewardship; EPA, Region 1; One Congress Street; Suite 1100 (SEA); Boston, Massachusetts 02114-2023.

B. CERTIFICATIONS [RCSA §22a-174-33(b)]

In accordance with RCSA §22a-174-33(b), any report or other document required by this Title V permit and any other information submitted to the commissioner or Administrator shall be signed by an individual described in RCSA §22a-174-2a(a), or by a duly authorized representative of such individual. Any individual signing any document pursuant to RCSA §22a-174-33(b) shall examine and be familiar with the information submitted in the document and all attachments thereto, and shall make inquiry of those individuals responsible for obtaining the information to determine that the information is true, accurate, and complete, and shall also sign the following certification as provided in RCSA §22a-174-2a(a)(4):

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statement made in the submitted information may be punishable as a criminal offense under Section 22a-175 of the Connecticut General Statutes, under Section 53a-157b of the Connecticut General Statutes, and in accordance with any applicable statute."

C. SIGNATORY RESPONSIBILITY [RCSA §22a-174-2a(a)]

For purposes of signing any Title V-related application, document, report or certification required by RCSA §22a-174-33, any corporation's duly authorized representative may be either a named individual or any individual occupying a named position. Such named individual or individual occupying a named position is a duly authorized representative if such individual is responsible for the overall operation of one or more manufacturing, production or operating facilities subject to RCSA §22a-174-33 and either:

1. The facilities employ more than 250 persons or have gross annual sales or expenditures exceeding 25 million dollars in second quarter 1980 dollars; or

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2. The delegation of authority to the duly authorized representative has been given in writing by an officer of the corporation in accordance with corporate procedures and the following:
 - i. Such written authorization specifically authorizes a named individual, or a named position, having responsibility for the overall operation of the Title V premises or activity,
 - ii. Such written authorization is submitted to the commissioner and has been approved by the commissioner in advance of such delegation. Such approval does not constitute approval of corporate procedures, and
 - iii. If a duly authorized representative is a named individual in an authorization submitted under subclause ii. of this subparagraph and a different individual is assigned or has assumed the responsibilities of the duly authorized representative, or, if a duly authorized representative is a named position in an authorization submitted under subclause ii. of this subparagraph and a different named position is assigned or has assumed the duties of the duly authorized representative, a new written authorization shall be submitted to the commissioner prior to or together with the submission of any application, document, report or certification signed by such representative.

D. ADDITIONAL INFORMATION [RCSA §22a-174-33(j)(1)(X)]

The Permittee shall submit additional information in writing, at the commissioner's request, within 30 days of receipt of notice from the commissioner or by such other date specified by the commissioner, whichever is earlier, including information to determine whether cause exists for modifying, revoking, reopening, reissuing, or suspending this Title V permit or to determine compliance with this Title V permit.

In addition, within 15 days of the date the Permittee becomes aware of a change in any information submitted to the commissioner under this Title V permit or of any change in any information contained in the application, or that any such information was inaccurate or misleading or that any relevant information was omitted, the Permittee shall submit the changed, corrected, or omitted information to the commissioner.

E. MONITORING REPORTS [RCSA §22a-174-33(o)(1)]

A Permittee, required to perform monitoring pursuant this Title V permit, shall submit to the commissioner, on forms prescribed by the commissioner, written monitoring reports on January 30 and July 30 of each year or on a more frequent schedule if specified in such permit. Such monitoring reports shall include the date and description of each deviation from a permit requirement including, but not limited to:

1. Each deviation caused by upset or control equipment deficiencies; and
2. Each deviation of a permit requirement that has been monitored by the monitoring systems required under this permit, which has occurred since the date of the last monitoring report; and
3. Each deviation caused by a failure of the monitoring system to provide reliable data.

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F. PREMISES RECORDS [RCSA §22a-174-33(o)(2)]

Unless otherwise required by this Title V permit, the Permittee shall make and keep records of all required monitoring data and supporting information for at least five years from the date such data and information were obtained. The Permittee shall make such records available for inspection at the site of the subject source, and shall submit such records to the commissioner upon request. The following information, in addition to required monitoring data, shall be recorded for each permitted source:

1. The type of monitoring or records used to obtain such data, including record keeping;
2. The date, place, and time of sampling or measurement;
3. The name of the individual who performed the sampling or the measurement and the name of such individual's employer;
4. The date(s) on which analyses of such samples or measurements were performed;
5. The name and address of the entity that performed the analyses;
6. The analytical techniques or methods used for such analyses;
7. The results of such analyses;
8. The operating conditions at the subject source at the time of such sampling or measurement; and
9. All calibration and maintenance records relating to the instrumentation used in such sampling or measurements, all original strip-chart recordings or computer printouts generated by continuous monitoring instrumentation, and copies of all reports required by the subject permit.

G. PROGRESS REPORTS [RCSA §22a-174-33(q)(1)]

The Permittee shall, on January 30 and July 30 of each year, or on a more frequent schedule if specified in this Title V permit, submit to the commissioner a progress report on forms prescribed by the commissioner, and certified in accordance with RCSA §22a-174-2a(a)(5). Such report shall describe the Permittee's progress in achieving compliance under the compliance plan schedule contained in this Title V permit. Such progress report shall:

1. Identify those obligations under the compliance plan schedule in this Title V permit which the Permittee has met, and the dates on which they were met; and
2. Identify those obligations under the compliance plan schedule in this Title V permit which the Permittee has not timely met, explain why they were not timely met, describe all measures taken or to be taken to meet them and identify the date by which the Permittee expects to meet them.

Any progress report prepared and submitted pursuant to RCSA §22a-174-33(q)(1) shall be simultaneously submitted by the Permittee to the Administrator.

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H. COMPLIANCE CERTIFICATIONS [RCSA §22a-174-33(q)(2)]

The Permittee shall, on January 30 of each year, or on a more frequent schedule if specified in this Title V permit, submit to the commissioner, a written compliance certification certified in accordance with RCSA §22a-174-2a(a)(5) and which includes the information identified in 40 CFR 70.6(c)(5)(iii)(A) to (C), inclusive.

Any compliance certification prepared and submitted pursuant to RCSA §22a-174-33(q)(2) shall be simultaneously submitted by the Permittee to the Administrator.

I. PERMIT DEVIATION NOTIFICATIONS [RCSA §22a-174-33(p)]

Notwithstanding Subsection D of Section VII of this Title V permit, the Permittee shall notify the commissioner in writing, on forms prescribed by the commissioner, of any deviation from an emissions limitation, and shall identify the cause or likely cause of such deviation, all corrective actions and preventive measures taken with respect thereto, and the dates of such actions and measures as follows:

1. For any hazardous air pollutant, no later than 24 hours after such deviation commenced; and
2. For any other regulated air pollutant, no later than ten days after such deviation commenced.

J. PERMIT RENEWAL [RCSA §22a-174-33(j)(1)(B)]

All of the terms and conditions of this Title V permit shall remain in effect until the renewal permit is issued or denied provided that a timely renewal application is filed in accordance with RCSA §§22a-174-33(g), -33(h), and -33(i).

K. OPERATE IN COMPLIANCE [RCSA §22a-174-33(j)(1)(C)]

The Permittee shall operate the source in compliance with the terms of all applicable regulations, the terms of this Title V permit, and any other applicable provisions of law. In addition, any noncompliance constitutes a violation of the Clean Air Act and Chapter 446c of the Connecticut General Statutes and is grounds for federal and/or state enforcement action, permit termination, revocation and reissuance, or modification, and denial of a permit renewal application.

L. COMPLIANCE WITH PERMIT [RCSA §22a-174-33(j)(1)(G)]

This Title V permit shall not be deemed to:

1. Preclude the creation or use of emission reduction credits or the trading of such credits in accordance with RCSA §§22a-174-33(j)(1)(I) and 22a-174-33(j)(1)(P), provided that the commissioner's prior written approval of the creation, use, or trading is obtained;
2. Authorize emissions of an air pollutant so as to exceed levels prohibited pursuant to 40 CFR Part 72;
3. Authorize the use of allowances pursuant to 40 CFR Parts 72 through 78, inclusive, as a defense to noncompliance with any other applicable requirement; or
4. Impose limits on emissions from items or activities specified in RCSA §§22a-174-33(g)(3)(A) and (B) unless imposition of such limits is required by an applicable requirement.

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M. INSPECTION TO DETERMINE COMPLIANCE [RCSA §22a-174-33(j)(1)(M)]

The commissioner may, for the purpose of determining compliance with this Title V permit and other applicable requirements, enter the premises at reasonable times to inspect any facilities, equipment, practices, or operations regulated or required under such permit; to sample or otherwise monitor substances or parameters; and to review and copy relevant records lawfully required to be maintained at such premises in accordance with this Title V permit. It shall be grounds for permit revocation should entry, inspection, sampling, or monitoring be denied or effectively denied, or if access to and the copying of relevant records is denied or effectively denied.

N. PERMIT AVAILABILITY

The Permittee shall have available at the facility at all times a copy of this Title V permit.

O. SEVERABILITY CLAUSE [RCSA §22a-174-33(j)(1)(R)]

The provisions of this Title V permit are severable. If any provision of this Title V permit or the application of any provision of this Title V permit to any circumstance is held invalid, the remainder of this Title V permit and the application of such provision to other circumstances shall not be affected.

P. NEED TO HALT OR REDUCE ACTIVITY [RCSA §22a-174-33(j)(1)(T)]

It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this Title V permit.

Q. PERMIT REQUIREMENTS [RCSA §22a-174-33(j)(1)(V)]

The filing of an application or of a notification of planned changes or anticipated noncompliance does not stay the Permittee's obligation to comply with this Title V permit.

R. PROPERTY RIGHTS [RCSA §22a-174-33(j)(1)(W)]

This Title V permit does not convey any property rights or any exclusive privileges. This Title V permit is subject to, and in no way derogates from any present or future property rights or other rights or powers of the State of Connecticut, and is further subject to any and all public and private rights and to any federal, state or local laws or regulations pertinent to the facility or regulated activity affected thereby, including CGS §4-181a(b) and RCSA §22a-3a-5(b). This Title V permit shall neither create nor affect any rights of persons who are not parties to this Title V permit.

S. ALTERNATIVE OPERATING SCENARIO RECORDS [RCSA §22a-174-33(o)(3)]

The Permittee shall, contemporaneously with making a change authorized by this Title V permit from one alternative operating scenario to another, maintain a record at the premises indicating when changes are made from one operating scenario to another and shall maintain a record of the current alternative operating scenario.

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T. OPERATIONAL FLEXIBILITY AND OFF-PERMIT CHANGES [RCSA §22a-174-33(r)(2)]

The Permittee may engage in any action allowed by the Administrator in accordance with 40 CFR 70.4(b)(12)(i) to (iii)(B) inclusive, and 40 CFR 70.4(b)(14)(i) to (iv), inclusive without a Title V non-minor permit modification, minor permit modification or revision and without requesting a Title V non-minor permit modification, minor permit modification or revision provided such action does not:

1. Constitute a modification under 40 CFR Part 60, 61 or 63,
2. Exceed emissions allowable under the subject permit,
3. Constitute an action which would subject the Permittee to any standard or other requirement pursuant to 40 CFR Parts 72 to 78, inclusive, or
4. Constitute a non-minor permit modification pursuant to RCSA §22a-174-2a(d)(4).

At least seven days before initiating an action specified in RCSA §22a-174-33(r)(2)(A), the Permittee shall notify the Administrator and the commissioner in writing of such intended action.

U. INFORMATION FOR NOTIFICATION [RCSA §22a-174-33(r)(2)(A)]

Written notification required under RCSA §22a-174-33(r)(2)(A) shall include a description of each change to be made, the date on which such change will occur, any change in emissions that may occur as a result of such change, any Title V permit terms and conditions that may be affected by such change, and any applicable requirement that would apply as a result of such change. The Permittee shall thereafter maintain a copy of such notice with the Title V permit. The commissioner and the Permittee shall each attach a copy of such notice to their copy of the Title V permit.

V. TRANSFERS [RCSA §22a-174-2a(g)]

No person other than the Permittee shall act or refrain from acting under the authority of this Title V permit unless such permit has been transferred to another person in accordance with RCSA §22a-174-2a(g).

The proposed transferor and transferee of a permit shall submit to the commissioner a request for a permit transfer on a form provided by the commissioner. A request for a permit transfer shall be accompanied by any fees required by any applicable provision of the general statutes or regulations adopted thereunder. The commissioner may also require the proposed transferee to submit with any such request, the information identified in CGS §22a-6m.

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W. REVOCATION [RCSA §22a-174-2a(h)]

The commissioner may revoke this Title V permit on his own initiative or on the request of the Permittee or any other person, in accordance with CGS §4-182(c), RCSA §22a-3a-5(d), and any other applicable law. Any such request shall be in writing and contain facts and reasons supporting the request. The Permittee requesting revocation of this Title V permit shall state the requested date of revocation and provide the commissioner with satisfactory evidence that the emissions authorized by this Title V permit have been permanently eliminated.

Pursuant to the Clean Air Act, the Administrator has the power to revoke this Title V permit. Pursuant to the Clean Air Act, the Administrator also has the power to reissue this Title V permit if the Administrator has determined that the commissioner failed to act in a timely manner on a permit renewal application.

This Title V permit may be modified, revoked, reopened, reissued, or suspended by the commissioner, or the Administrator in accordance with RCSA §22a-174-33(r), CGS §22a-174c, or RCSA §22a-3a-5(d).

X. REOPENING FOR CAUSE [RCSA §22a-174-33(s)]

This Title V permit may be reopened by the commissioner, or the Administrator in accordance with RCSA §22a-174-33(s).

Y. CREDIBLE EVIDENCE

Notwithstanding any other provision of this Title V permit, for the purpose of determining compliance or establishing whether a Permittee has violated or is in violation of any permit condition, nothing in this Title V permit shall preclude the use, including the exclusive use, of any credible evidence or information.